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From **XML** schema to relations: A **cost**-based approach to **XML** storage[psu.edu](#) [PDF]

PBJFP Roy, J Simeon - Proceedings of the 18th ..., 2002 - doi.ieeecomputersociety.org

Page 1. From **XML** Schema to Relations: A **Cost**-Based Approach to **XML** Storage ... In contrast, LegoDB is a **cost**- based **XML** storage mapping engine that explores a space of possible **XML**-to-relational mappings and selects the best mapping for a given application. ...

[Cited by 294](#) - [Related articles](#) - [BL Direct](#) - [All 44 versions](#)[PDF] Indexing and querying **XML** data for regular path expressions[psu.edu](#) [PDF]

Q Li, B Moon - Proceedings of the International Conference on Very ..., 2001 - Citeseer

... Most straightforward approaches to processing regular path expression queries like Q1 is to **traverse** the hi- erarchy of **XML** ... If a chapter element is the root of an **XML** tree, then the entire tree will be traversed. The **cost** of tree traversal may be reduced by a bottom- up approach. ...

[Cited by 762](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 55 versions](#)[PDF] Query optimization for **XML**[psu.edu](#) [PDF]

J McHugh, J Widom - Proceedings of the International Conference on ..., 1999 - Citeseer

... This component uses statistics and a **cost** model in order to transform the logical query plan into ... It is this additional factor that makes optimization of queries over **XML** data both important ... Once we have an object satisfying the predicate, we **traverse** back- wards through the data ...

[Cited by 370](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 63 versions](#)Detecting changes in **XML** documents[psu.edu](#) [PDF]

G Cobena, S Abiteboul, A ... - Proceedings of the ..., 2002 - doi.ieeecomputersociety.org

... But then the **cost** of understanding the structure of the document is added to the **cost** of detecting the changes, whereas the structure of the **XML** document is already known and we should use it to improve our al- gorithm's efficiency. ...

[Cited by 317](#) - [Related articles](#) - [BL Direct](#) - [All 35 versions](#)Path sharing and predicate evaluation for high-performance **XML** filtering[psu.edu](#) [PDF]

Y Diao, M Altiline, MJ Franklin, H Zhang, P ... - ACM Transactions on ..., 2003 - portal.acm.org

... **XML** Path Sharing and Predicate Evaluation • 481 ... Rather, other **costs** such as document parsing

are in many cases more expensive than the basic path matching, particularly for ... is a single initial state shared by all NFA paths. To insert a new NFA path, we **traverse** the combined ...

[Cited by 255](#) - [Related articles](#) - [BL Direct](#) - [All 22 versions](#)

### System RX: one part relational, one part XML

K Beyer, RJ Cochrane, V Josifovski, J ... - Proceedings of the ..., 2005 - portal.acm.org

... XQuery is a reference-based language, and hence subsequent expressions on the result of a path expression may **traverse** the document in both ... However, in System RX, we provide native storage for **XML** that we believe can be altered at considerably lower **cost** over time ...

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### AFilter: adaptable XML filtering with prefix-caching suffix-clustering

[kaist.ac.kr](#) [PDF]

KS Candan, WP Hsiung, S Chen, J ... - Proceedings of the ..., 2006 - portal.acm.org

... In general, for deep and recursive **XML** data, the number of active states can be exponentially large [7,8,13 ... proposed approach benefits from prefix commonalities across path expressions, while simultaneously leveraging suffix commonalities to reduce the **cost** of exploration of ...

[Cited by 42](#) - [Related articles](#) - [BL Direct](#) - [All 2 versions](#)

### [PDF] Approximate tree embedding for querying XML data

[psu.edu](#) [PDF]

T Schlieder, F Naumann - ACM SIGIR workshop on XML and information ..., 2000 - Citeseer

... (a) Query tree (b) Part of a **XML** data tree ... numeration this is the node with the smallest number among all data nodes belonging to matches in S. The algorithm **traverses** the path ... root node of the embedding  $d_r$  setting  $d_i$  to each inspected node (line 2). The delete **cost**  $cost(d_i)$  ...

[Cited by 63](#) - [Related articles](#) - [View as HTML](#) - [All 14 versions](#)

### Benefits of path summaries in an XML query optimizer supporting multiple access ...

A Barta, MP Consens, AO Mendelzon - Proceedings of the 31st ..., 2005 - portal.acm.org

... Path summaries are used as back-ends that is, the **XML** query is evaluated by **traversing** the path ... Thus, the Timber or the structural joins rates a **cost**-model for stems like Natix [12] less for ... egies for **XML** query presented in the context proposed in [6]. In the higher level consists on ...

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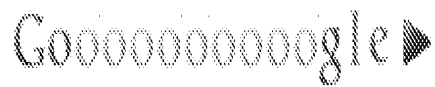
### Query biased snippet generation in XML search

[grids.cn](#) [PDF]

Y Huang, Z Liu, Y Chen - Proceedings of the 2008 ACM SIGMOD ..., 2008 - portal.acm.org

... **XML** data, which takes an input of a node ID and returns the information about this node, such as node type (entity, attribute, or connection node) and key values (if exists). Hash indexes are also built to access  $N(e, a)$ ,  $D(e, a)$  and  $N(e, a, v)$  in  $O(1)$ . Therefore the **cost** of **traversing** ...

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